



Gulf of Mexico Harmful Algal Bloom Bulletin

11 April 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

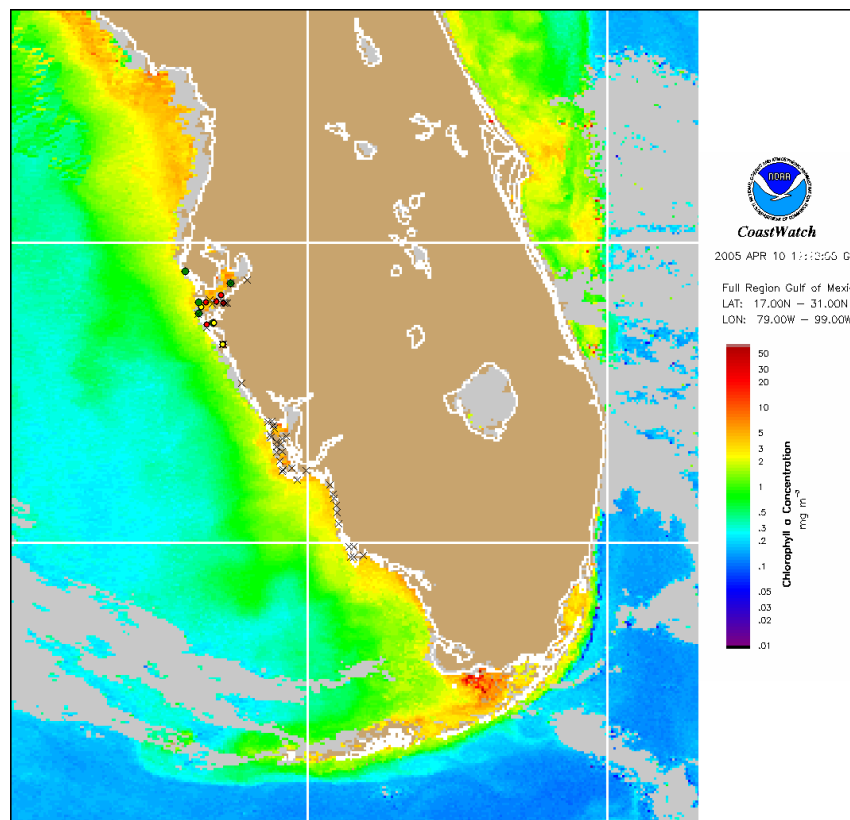
Last bulletin: April 7, 2005

Conditions: A harmful algal bloom has been identified off of Manatee and Sarasota Counties. Patchy low impacts are possible Tuesday and Wednesday, with very low impacts likely today and Thursday.

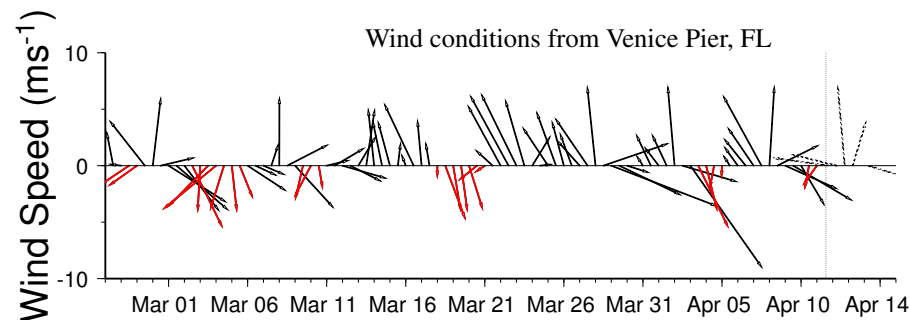
Analysis: The bloom has weakened, but lingers off of Manatee and Sarasota counties. April 4-6 samples indicated one very low concentration of *K. brevis* in Manatee County and low concentrations at New Pass, with all other samples at background levels or lower. One reported fishkill last week east of Anna Maria Island near Bradenton. Little movement of the bloom is expected, and intensification of the bloom is unlikely.

Keys: No recent samples are available for this area, but chlorophyll levels of 4-5 $\mu\text{g/L}$ were indicated in the imagery northwest of Marathon.

-Stolz and Bronder



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 1, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

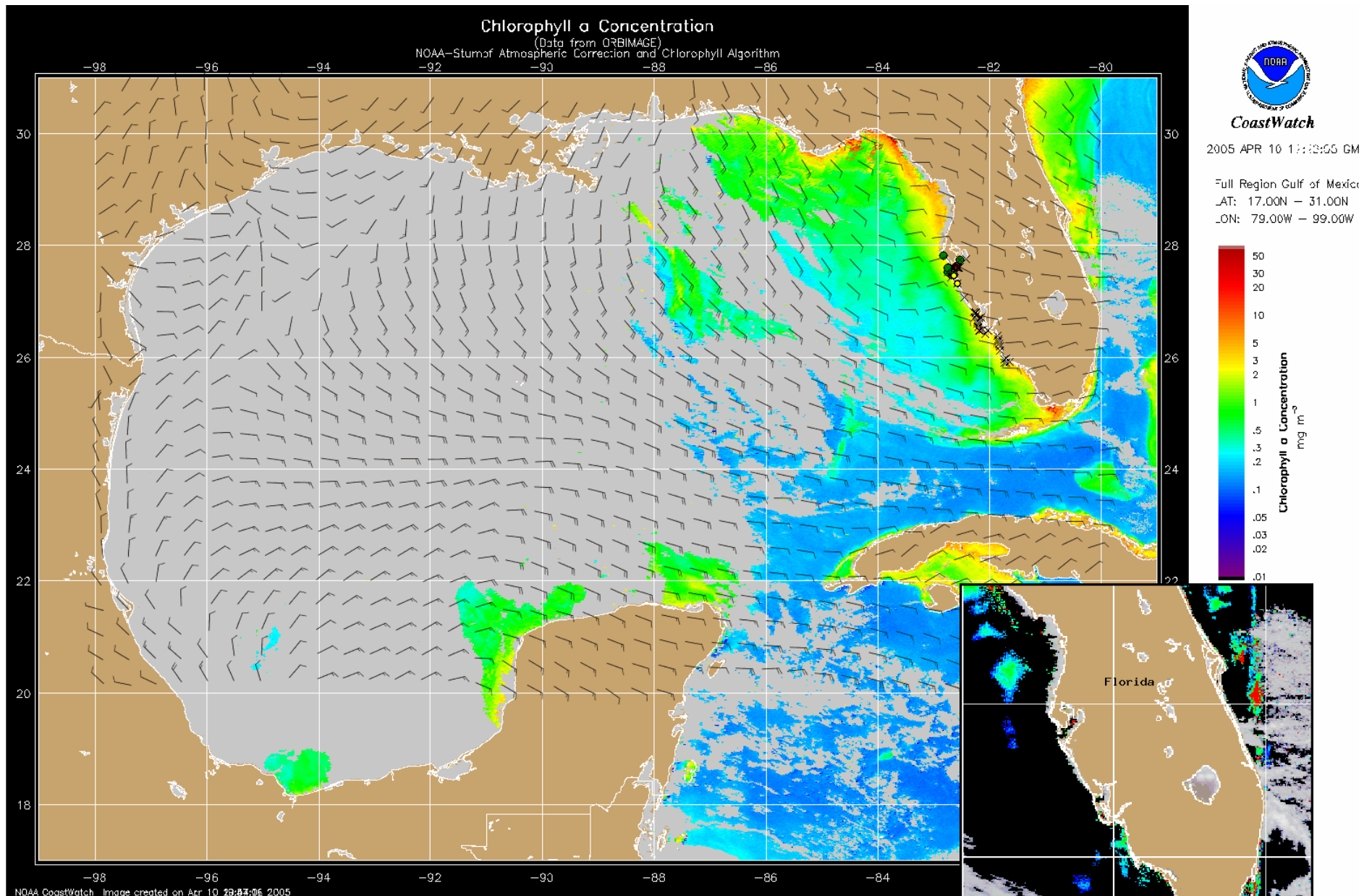


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Southeast winds today at 15 knots (8 m/s) becoming southerly Tuesday to westerly Tuesday night. Northwest winds Wednesday clocking around to the North Thursday.

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4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for April 12, 2005 06Z with cell concentration sampling data from April 1, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)